Gagandeep Singh

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EDUCATION

2013 – 2014	**CGPA: 9.8/10.0**
	Adarsh Public School
2015 – 2016	**Percentage: 96%(Overall)**
	Adarsh Public School
2016 – PRESENT	**Btech Undergraduate** *Indraprastha Institute of Information Technology, Delhi*

SOFTWARE SKILLS

LANGUAGES	C/C++,JAVA, Python, HTML, CSS, JavaScript, MySQL, Ruby
TECHNOLOGIES	Django, Ruby on Rails, React-JS, **Apache Spark, Hadoop DFS, Numpy, Pandas, Git, Tensorflow, Scikit-learn**
OPERATING SYSTEMS	Linux/Unix, MacOSx, Windows

EXPERIENCE

JANUARY 2019-PRESENT
Collaborator
Open Source Contributions

Contributing to open source projects of Public Lab and redesigning parts of their website.

MAY 2019-PRESENT
Undergraduate Researcher
Data Science Lab, IIIT Delhi

Co-Location Pattern Mining: Implementing algorithms for **spatial co-location pattern mining** on top of the predefined algorithms and devising a new support measure and parallelizing its implementation using Apache Spark.

MAY 2018
Assistant Technical Intern
Camp K12

Teaching intern with CAMP-K12 in the fields of JAVA and Android.

PUBLIC PROJECTS

2018	**Terrorist Attack Prediction and Analysis (Terrorist Attack Prediction)** *The project implements terrorist attack prediction and cluster analysis of terrorist attacks using **ML library in Apache-Spark**. **Hadoop's map reduce** based implementation was used to produce the total number of attacks in a particular region.*
2019	**Join-less approach to Co-Location Pattern Mining (Co-location Pattern Mining)** *Implementing join-less approach for co-location pattern mining in **Apache Spark** using participation index.*
2019	**Recommender System (Movie recommendation)** *A recommender system for movie recommendations written in **python notebooks**.*
2019	**Spam Ham E-mail predictor (Spam Ham predictor)** *Predicting whether an e-mail is ham or spam using **scikit-learn** library in python. Preprocessing of text was done using **nltk** library. Using the naive-bayes classifier ,97% precision was achieved.*
2019	**Weather App (Weather-App)** *A web application made in **React-JS** which uses weather api and Google places API to graphically present the variation in weather conditions.*
2018	**Departmental Store** *A departmental store web app using **Ruby on Rails**, along with some basic rspec tests. The project was implemented using **Agile** methodologies.*
2017	**Chain Reaction (Chain Reaction)** *The game Chain reaction as a desktop app, which included a basic AI using probability and randomness. The game could be played for 1-8 players.*
2018	**GYM Management System** *A GYM Management System with MySQL at its backend and JAVA-FX as its front end.*

ONLINE CERTIFICATIONS

- **Tensorflow for Deep Learning**
- **Python for Data Science and Machine Learning**